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OM protein - protein search, using sw model

Run on: June 25, 2003, 14:42:11 : Search time 10.8031 Seconds
(Without alignments)
283.251 Million cell updates/sec

Title: US-09-622-613B-4

Perfect score: 579
Sequence: 1 QDWLTFQKKHLNTRDVCN.....TFCVTCENQAPVHFVGVCNC 104

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/1aa/5A-COMB.pep.*
2: /cgn2_6/ptodata/1/1aa/5B-COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/5A-COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/5B-COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/PCTUS-COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	549	94.8	104	1	US-08-467-955-2
2	547	94.5	104	4	US-09-394-268-1
3	547	94.5	104	4	US-09-687-748-1
4	547	94.5	129	3	US-08-875-811-63
5	547	94.5	379	3	US-08-875-811-43
6	544	94.0	104	1	US-08-283-971-1
7	544	94.0	104	1	US-07-921-619-1
8	544	94.0	104	1	US-08-467-955-1
9	544	94.0	104	2	US-08-891-848-13
10	544	94.0	104	4	US-09-394-268-2
11	544	94.0	104	4	US-09-687-748-2
12	544	94.0	105	3	US-08-875-811-39
13	544	94.0	355	3	US-08-875-811-41
14	544	94.0	358	3	US-08-875-811-51
15	542	93.6	104	3	US-08-875-811-1
16	542	93.6	106	4	US-09-071-672-1
17	542	93.6	107	3	US-08-875-811-28
18	542	93.6	112	3	US-08-875-811-32
19	542	93.6	251	3	US-08-875-811-59
20	542	93.6	254	3	US-08-875-811-61
21	542	93.6	355	3	US-08-875-811-49
22	542	93.6	355	3	US-08-875-811-57
23	542	93.6	355	3	US-08-875-811-64
24	542	93.6	366	3	US-08-875-811-55
25	542	93.6	105	3	US-08-875-811-24
26	537	92.7	105	3	US-08-875-811-26
27	537	92.7	105	3	US-08-875-811-26

28	533	92.1	358	3	US-08-875-811-45	Sequence 45, Appl
29	533	92.1	365	3	US-08-875-811-53	Sequence 53, Appl
30	518	89.5	107	3	US-08-875-811-20	Sequence 20, Appl
31	481	83.1	360	3	US-08-875-811-47	Sequence 47, Appl
32	474.5	82.0	111	3	US-08-875-811-22	Sequence 22, Appl
33	436	75.3	83	3	US-08-875-811-2	Sequence 2, Appl
34	436	75.3	83	4	US-09-071-672-3	Sequence 3, Appl
35	283	48.9	111	2	US-08-891-848-12	Sequence 12, Appl
36	283	48.9	111	4	US-08-875-811-8	Sequence 8, Appl
37	211.5	36.5	114	4	US-09-223-118-4	Sequence 4, Appl
38	199.5	34.5	114	4	US-09-223-118-2	Sequence 2, Appl
39	198.5	34.3	114	4	US-09-223-118-1	Sequence 1, Appl
40	196.5	33.9	114	4	US-09-223-118-3	Sequence 3, Appl
41	153.5	26.5	169	1	US-08-441-629-2	Sequence 2, Appl
42	153.5	26.5	169	3	US-08-776-207-2	Sequence 2, Appl
43	153.5	26.5	169	4	US-09-507-773-2	Sequence 2, Appl
44	153.5	26.5	169	5	PCT-US95-09172-2	Sequence 2, Appl
45	143	24.7	28	3	US-08-875-811-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1.
US-08-467-955-2
: Sequence 2, Application US/08467955
: Patent No. 5728805
GENERAL INFORMATION:
: APPLICANT: Ardelt Ph.D, Wojciech J.
: TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM
: NUMBER OF SEQUENCES: 2
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: Mark H. Jay, P.A.
: STREET: P.O. Box E
: CITY: Short Hills
: STATE: New Jersey
: COUNTRY: USA
: ZIP: 07078-0383
COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/467,955
: FILING DATE:
: CLASSIFICATION: 435
PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/178,118
: FILING DATE: 06-APR-1988
PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/436,141
: FILING DATE: 13-NOV-1989
PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/814,332
: FILING DATE: 03-FEB-1992
PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/283,970
: FILING DATE: 01-AUG-1994
ATTORNEY/AGENT INFORMATION:
: NAME: Jay, Mark H.
: REGISTRATION NUMBER: 27507
: REFERENCE/DOCKET NUMBER: 5007 US
TELECOMMUNICATION INFORMATION:
: TELEPHONE: 201-912-9066
: TELEFAX: 201-912-0442
: TELETEXT: NO. 5728805 Applicable
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 104 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear

MOLECULE TYPE: protein
HYPOTHETICAL: N
ANTI-SENSE: N
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Rana pipiens
DEVELOPMENTAL STAGE: Oocyte
US-08-467-955-2

Query Match 94.8%; Score 549; DB 1; Length 104;
Best Local Similarity 94.2%; Pred. No. 5,3e-60;
Matches 98; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

OY 1 ODMLTFQKKHILNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIISKNVLT 60
DB 1 EDMLTFQKKHILNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPYKAICKGIISKNVLT 60
OY 61 FEFLSDCNVTSRPRCKYKLLKSTNTFCVTCENQAPVHFVGVC 104
DB 61 SEFLSDCNVTSRPRCKYKLLKSTNTFCVTCENQAPVHFVGVC 104

RESULT 2

US-09-394-268-1
Sequence 1, Application US/09394268
Patent No. 6175003
GENERAL INFORMATION:
APPLICANT: Saxena, Shalendra K
TITLE OF INVENTION: NUCLEIC ACIDS ENCODING RIBONUCLEASES AND METHODS OF
FILE REFERENCE: 5013
CURRENT APPLICATION NUMBER: US/09/394,268
CURRENT FILING DATE: 1999-09-10
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
LENGTH: 104
TYPE: PRT
ORGANISM: Rana pipiens
US-09-394-268-1

Query Match 94.5%; Score 547; DB 4; Length 104;
Best Local Similarity 94.2%; Pred. No. 9,3e-60;
Matches 98; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

OY 1 ODMLTFQKKHILNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIISKNVLT 60
DB 1 ODMLTFQKKHILNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPYKAICKGIISKNVLT 60
OY 61 FEFLSDCNVTSRPRCKYKLLKSTNTFCVTCENQAPVHFVGVC 104
DB 61 SEFLSDCNVTSRPRCKYKLLKSTNTFCVTCENQAPVHFVGVC 104

RESULT 3

US-09-687-748-1
Sequence 1, Application US/09687748
Patent No. 6423515
GENERAL INFORMATION:
APPLICANT: Saxena, Shalendra K
TITLE OF INVENTION: METHODS OF MAKING NUCLEIC ACIDS ENCODING RIBONUCLEASES
FILE REFERENCE: 5013 US 01
CURRENT APPLICATION NUMBER: US/09/687,748
CURRENT FILING DATE: 2000-10-14
PRIOR APPLICATION NUMBER: 09/394,268
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
LENGTH: 104
TYPE: PRT
ORGANISM: Rana pipiens
US-09-687-748-1

Query Match 94.5%; Score 547; DB 4; Length 104;
Best Local Similarity 94.2%; Pred. No. 9,3e-60;
Matches 98; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

OY 1 ODMLTFQKKHILNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIISKNVLT 60
DB 1 ODMLTFQKKHILNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPYKAICKGIISKNVLT 60
OY 61 FEFLSDCNVTSRPRCKYKLLKSTNTFCVTCENQAPVHFVGVC 104
DB 61 SEFLSDCNVTSRPRCKYKLLKSTNTFCVTCENQAPVHFVGVC 104

RESULT 4

US-08-875-811-63
Sequence 63, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Bogue, Luis
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/023588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Farris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 63:
SEQUENCE CHARACTERISTICS:
LENGTH: 129 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-63

Query Match 94.5%; Score 547; DB 3; Length 129;
Best Local Similarity 94.2%; Pred. No. 1,2e-59;
Matches 98; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

OY 1 ODMLTFQKKHILNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIISKNVLT 60
DB 26 ODMLTFQKKHILNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPYKAICKGIISKNVLT 85
OY 61 FEFLSDCNVTSRPRCKYKLLKSTNTFCVTCENQAPVHFVGVC 104
DB 86 SEFLSDCNVTSRPRCKYKLLKSTNTFCVTCENQAPVHFVGVC 129

COUNTRY: USA
ZIP: 11202-0002
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/921,619
FILING DATE: 19920728
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/178,118
FILING DATE: 06-APR-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/436,141
FILING DATE: 13-NOV-1989
ATTORNEY/AGENT INFORMATION:
NAME: Jay, Mark H.
REGISTRATION NUMBER: 27507
REFERENCE/DOCKET NUMBER: 5005 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 718-625-0399
TELEFAX: 718-625-0399
TELEX: No. 5595734 Applicable
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: AMINO ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: N
ANTI-SENSE: N
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE: Rana pipiens
ORGANISM: Rana pipiens
DEVELOPMENTAL STAGE: Embryo
US-07-921-619-1

Query Match 94.0% Score 544; DB 1; Length 104;
Best Local Similarity 93.3% Pred. No. 2.2e-59;
Matches 97; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
QY 1 QDWLTPKKHLLTNRDVCNNIISTNLFHCKDKNTFTYSRPEPKAKCGIISKNVLT 60
DB 1 EDWLTFOKKHTTNRDVCNNIISTNLFHCKDKNTFTYSRPEPKAKCGIISKNVLT 60
QY 61 FEFYLSDCNVTSRPCKYKLLKSTNFCVTCENQAPVHFVGVC 104
DB 61 SEFYLSDCNVTSRPCKYKLLKSTNFCVTCENQAPVHFVGVC 104

RESULT 8
US-08-467-955-1
Sequence 1, Application US/08467955
Patent No. 5728805
GENERAL INFORMATION:
APPLICANT: Argelt Ph.D, Wojciech J.
TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Mark H. Jay, P.A.
STREET: P.O. Box E
CITY: Short Hills
STATE: New Jersey
COUNTRY: USA
ZIP: 07078-0383
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,955
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/178,118
FILING DATE: 06-APR-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/436,141
FILING DATE: 13-NOV-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/814,332
FILING DATE: 03-FEB-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/283,970
FILING DATE: 01-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Jay, Mark H.
REGISTRATION NUMBER: 27507
REFERENCE/DOCKET NUMBER: 5007 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-912-9066
TELEFAX: 201-912-0442
TELEX: No. 5728805 Applicable
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: N
ANTI-SENSE: N
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE: Rana pipiens
ORGANISM: Rana pipiens
DEVELOPMENTAL STAGE: Oocyte
US-08-467-955-1

Query Match 94.0% Score 544; DB 1; Length 104;
Best Local Similarity 93.3% Pred. No. 2.2e-59;
Matches 97; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
QY 1 QDWLTPKKHLLTNRDVCNNIISTNLFHCKDKNTFTYSRPEPKAKCGIISKNVLT 60
DB 1 EDWLTFOKKHTTNRDVCNNIISTNLFHCKDKNTFTYSRPEPKAKCGIISKNVLT 60
QY 61 FEFYLSDCNVTSRPCKYKLLKSTNFCVTCENQAPVHFVGVC 104
DB 61 SEFYLSDCNVTSRPCKYKLLKSTNFCVTCENQAPVHFVGVC 104

RESULT 9
US-08-891-848-13
Sequence 13, Application US/08891848
Patent No. 5955073
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Youle, Richard J.
APPLICANT: Newton, Dianne L.
APPLICANT: Nicholls, Peter J.
TITLE OF INVENTION: Selective RNase Cytotoxic Reagents
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/891,848
FILING DATE: No. 5955073 yet assigned
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/125,462
FILING DATE: 22-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/014,082
FILING DATE: 04-FEB-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/779,195
FILING DATE: 22-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/510,696
FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 015280-110310US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..104
OTHER INFORMATION: /label= Onc
OTHER INFORMATION: /note= "Oncinase from Rana pipiens"
US-08-891-848-13

Query Match 94.0%; Score 544; DB 2; Length 104;
Best Local Similarity 93.3%; Pred. No. 2.2e-59;
Matches 97; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

OY 1 QDWLTFQKHLLNTRDVCNNILSTNLFHCKDKNTFIYSRPPVKAICKGIASKNVLT 60
DB 1 EDWLTFQKHLLNTRDVCNNILSTNLFHCKDKNTFIYSRPPVKAICKGIASKNVLT 60
OY 61 FEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFGVGC 104
DB 61 SEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFGVGC 104

RESULT 10
US-09-394-268-2
Sequence 2, Application US/09394268
Patent No. 6175003
GENERAL INFORMATION:
APPLICANT: Saxena, Shalendra K
TITLE OF INVENTION: NUCLEIC ACIDS ENCODING RIBONUCLEASES AND METHODS OF
FILE REFERENCE: 5013
CURRENT APPLICATION NUMBER: US/09/394,268
CURRENT FILING DATE: 1999-09-10
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
LENGTH: 104
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: SEQ ID NO:1 with Leu at position 23 and Cys at
US-09-394-268-2

Query Match 94.0%; Score 544; DB 4; Length 104;
Best Local Similarity 94.2%; Pred. No. 2.2e-59;
Matches 98; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

OY 1 QDWLTFQKHLLNTRDVCNNILSTNLFHCKDKNTFIYSRPPVKAICKGIASKNVLT 60
DB 1 QDWLTFQKHLLNTRDVCNNILSTNLFHCKDKNTFIYSRPPVKAICKGIASKNVLT 60
OY 61 FEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFGVGC 104
DB 61 SEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFGVGC 104

RESULT 11
US-09-687-748-2
Sequence 2, Application US/09687748
Patent No. 6423515
GENERAL INFORMATION:
APPLICANT: Saxena, Shalendra K
TITLE OF INVENTION: METHODS OF MAKING NUCLEIC ACIDS ENCODING RIBONUCLEASES
FILE REFERENCE: 5013 US 01
CURRENT APPLICATION NUMBER: US/09/687,748
CURRENT FILING DATE: 2000-10-14
PRIOR APPLICATION NUMBER: 09/394,268
PRIOR FILING DATE: 1999-09-10
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
LENGTH: 104
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: SEQ ID NO:1 with Leu at position 23 and Cys at
US-09-687-748-2

Query Match 94.0%; Score 544; DB 4; Length 104;
Best Local Similarity 94.2%; Pred. No. 2.2e-59;
Matches 98; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

OY 1 QDWLTFQKHLLNTRDVCNNILSTNLFHCKDKNTFIYSRPPVKAICKGIASKNVLT 60
DB 1 QDWLTFQKHLLNTRDVCNNILSTNLFHCKDKNTFIYSRPPVKAICKGIASKNVLT 60
OY 61 FEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFGVGC 104
DB 61 SEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFGVGC 104

RESULT 12
US-08-875-811-39
Sequence 39, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Boque, Luis
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESS: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Paris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-39

Query Match 94.0%; Score 544; DB 3; Length 105;
Best Local Similarity 93.3%; Pred. No. 2.2e-59;
Matches 97; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1 QDMLTFQKKHLTNTRDVCNINLSTNLFHCKDKNTFIYSRPPVKAICGIIASKNVLT 60
DB 2 EDMLTFQKKHINTRDVDCDINLSTNLFHCKDKNTFIYSRPPVKAICGIIASKNVLT 61
QY 61 FEFTYSDCNVTSRPPCKYKIKKSTNFCVTCENQAPVHFVGSHC 104
DB 62 SEFTYSDCNVTSRPPCKYKIKKSTNFCVTCENQAPVHFVGSHC 105

RESULT 13
US-08-875-811-41
Sequence 41, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Bogue, Luis
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Paris, Susan K.

REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-41

Query Match 94.0%; Score 544; DB 3; Length 355;
Best Local Similarity 93.3%; Pred. No. 1.1e-58;
Matches 97; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1 QDMLTFQKKHLTNTRDVCNINLSTNLFHCKDKNTFIYSRPPVKAICGIIASKNVLT 60
DB 252 EDMLTFQKKHINTRDVDCDINLSTNLFHCKDKNTFIYSRPPVKAICGIIASKNVLT 311
QY 61 FEFTYSDCNVTSRPPCKYKIKKSTNFCVTCENQAPVHFVGSHC 104
DB 312 SEFTYSDCNVTSRPPCKYKIKKSTNFCVTCENQAPVHFVGSHC 355

RESULT 14
US-08-875-811-51
Sequence 51, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Bogue, Luis
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Paris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
LENGTH: 358 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-51

Query Match 94.0%; Score 544; DB 3; Length 358;
 Best Local Similarity 93.3%; Pred. No. 1.1e-58;
 Matches 97; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

OY 1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFYISRPEPYKAICKGIASKNVLTTF 60
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 Db 2 EDWLTFOKKHITNTRDVCNNIMSTNLFHCKDKNTFYISRPEPYKAICKGIASKNVLTTF 61
 :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
 OY 61 EFYISDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFVGSHC 104
 :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
 Db 62 SEFYISDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFVGSHC 105
 :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 15

US-08-875-811-1

Sequence 1, Application US/08875811

Patent No. 6045793

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.

APPLICANT: Newton, Dianne L.

APPLICANT: Bogue, Luis

APPLICANT: Wlodawer, Alexander

TITLE OF INVENTION: Recombinant Ribonuclease Proteins

NUMBER OF SEQUENCES: 64

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/875,811

FILING DATE: 19-FEB-1998

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US97/02588

FILING DATE: 19-FEB-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/011,800

FILING DATE: 21-FEB-1996

ATTORNEY/AGENT INFORMATION:

NAME: Faris, Susan K.

REGISTRATION NUMBER: 41,739

REFERENCE/DOCKET NUMBER: 015280-244100US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 104 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

MOLECULE TYPE: protein

FEATURE:

NAME/KEY: Protein

LOCATION: 1..104

OTHER INFORMATION: /label= nonc

OTHER INFORMATION: /note= "native ONCONASE (Registered

OTHER INFORMATION: (trademark) from Rana pipiens"

FEATURE:

NAME/KEY: Modified-site

LOCATION: 1

OTHER INFORMATION: /note= "Xaa = pyroglutamic acid"

US-08-875-811-1

Query Match 93.6%; Score 542; DB 3; Length 104;
 Best Local Similarity 94.2%; Pred. No. 3.8e-59;
 Matches 97; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

OY 2 DWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFYISRPEPYKAICKGIASKNVLTTF 61
 :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
 Db 2 DWLTFQKKHITNTRDVCNNIMSTNLFHCKDKNTFYISRPEPYKAICKGIASKNVLTTF 61
 :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
 OY 62 EFYISDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFVGSHC 104
 :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
 Db 62 EFYISDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFVGSHC 104
 :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

Search completed: June 25, 2003, 15:00:15
 Job time : 10.8031 secs

